**Part I. Interpreting a graph**

If on the above graph, distance was represented by the y-axis and time was represented by the x-axis

1. What is the speed of an object that has traveled a distance of 6 meters?
2. What is the speed of an object that has traveled a distance of 12 meters?
3. What is the speed of an object that has traveled a distance of 18 meters?
4. What is the speed of an object that has traveled a distance of 24 meters?
5. Based on your findings of speed for this graph, what conclusion can you make? Is speed increasing, decreasing, or remaining constant?

**Part II. Word problems**

1. If a train left Washington D.C at 12 p.m and reached Jacksonville, Florida at 10 p.m, what was the average speed of the train if it traveled a total of 700 miles?
2. If Lyric and Jamecia both left the same house and traveled for thirty minutes traveling at 30mi/hr, would this be an example of someone’s speed or velocity
3. Create a word problem that provides all of the information needed to find speed.

**Illustration**

-Define what a force is

-Tell the difference between a balanced and an unbalanced forces

- Create an illustration in which you show an unbalanced or a balanced force

-Make sure that your picture describes why the force is either balanced or unbalanced